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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10587119
Filing Date	08-29-2006
First Named Inventor	JORDI SOLER CASTANY
Art Unit	2821
Examiner Name	NOT YET ASSIGNED <i>Nguyen</i>
Attorney Docket Number	68349-00026USPX

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
<i>HN</i>	1	6963310	B2	2005-11-08	HORITA	

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U.S. PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
<i>HN</i>	1	01/26182	WO	A1	2001-04-01	SMARTEQ WIRELESS AB		<input type="checkbox"/>
<i>HN</i>	2	2416437	CA	A1	2002-01-17	IN4TEL LTD IL		<input type="checkbox"/>

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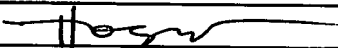
NON-PATENT LITERATURE DOCUMENTS

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for Submission under 37 CFR 1.99)	Application Number		10/587119
	Filing Date		8/29/02
	First Named Inventor	Jordi Soler Carbony	
	Art Unit	2821	
	Examiner Name	Nguyen	
		Attorney Docket Number	68349-0002608PX

Examiner Initials*	No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
HN	1	NING HUA ZHU et al, New algorithms of the TSM and Tom methods for calibrating microwave test fixtures, Microwaves and optical technology letters,, july 2002, vol. 34, num 1	<input type="checkbox"/>
HN	2	HAO CHUN TUNG et al, Printed dual- band monopole antenna for 2.4/5.2 GHz Wlang access point, Microwaves and optical technology letters, novembre 2002, vol.35 , num 4	<input type="checkbox"/>
HN	3	CHIH-MING SU et al, Dual-band slot for 2.4/5.2 GHz wlang operation, Microwaves and optical technology letters, novembre 2002, vol. 35, num 4	<input type="checkbox"/>

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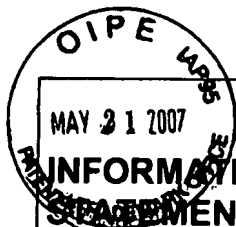
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HN	1	NING HUA ZHU, New algorithms of the TSM and Tom methods for calibrating microwave test fixtures, Microwaves and Optical Technology Letters, July 2002, vol. 34, num. 1	<input type="checkbox"/>
HN	2	YEH, Integrated f-shaped monopole antenna for 2.4/5.2 GHz dual-band operation, Microwave and Optical Technology Letters, July 2002, vol. 34, no. 1	<input type="checkbox"/>

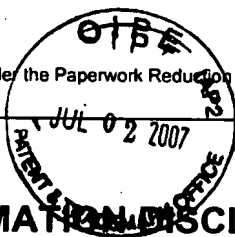
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<i>HN</i>	1	6429820	B1	2002-08-06	THURSBY	

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<i>HN</i>	1	SIM et al., A wideband monopole antenna for PCS/IMT-2000/Bluetooth applications, IEEE Antennas and Wireless Propagation Letters, 2004, Vol. 3	<input type="checkbox"/>
<i>HN</i>	2	ALI et al. A uniquely packaged internal inverted-F antenna for bluetooth or wireless LAN application, IEEE Antennas and Wireless Propagation Letters, 2002, vol. 1	<input type="checkbox"/>
<i>HN</i>	3	GUO et al. Compact internal multiband antennas mobile handsets, IEEE Antennas and Wireless Propagation Letters, 2003, vol.2	<input type="checkbox"/>

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U.S. PATENTS

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HN	1	7068230	B2	2006-06-27	QI	
	2	7148849	B2	2006-12-12	LIN	
	3	7057560	B2	2006-06-06	ERKICEVIC	
✓	4	6683571	B2	2004-01-27	GHOSH	
HN	5	6806834	B2	2004-10-19	YOON	

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Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
HN	1	20060033668	A1	2006-02-16	RYU	

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Art Unit	2821	
Examiner Name	NOT YET ASSIGNED <i>Nguyen</i>	
Attorney Docket Number	68349-00026USPX	

HN	2	20050237244	A1	2005-10-27	ANNABI	
	3	20040212545	A1	2004-10-28	LI	
	4	20060082504	A1	2006-04-20	CHEN	
	5	20040090372	A1	2004-05-13	NALLO	
	6	20040140938	A1	2004-07-22	KADAMBI	
V	7	20050007279	A1	2005-01-13	CHANG	
HN	8	20030122718	A1	2003-07-03	FANG	

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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² ;	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
HN	1	2005076407	WO	A2	2005-08-18	FRACTUS SA		<input type="checkbox"/>
HN	2	1294048	EP	A2	2003-03-19	KABUSHIKI KAISHA TOSHIBA MINATO-KU		<input type="checkbox"/>

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Art Unit	2821
Examiner Name	NOT YET ASSIGNED <i>Nguyen</i>
Attorney Docket Number	68349-00026USPX

HN	3	2005099041	WO	A1	2005-10-20	KONINKLIJKE PHILIPS ELECTRONICS NV	<input type="checkbox"/>
HN	4	02052679	WO	A1	2002-07-04	RANGESTAR WIRELESS, INC	<input type="checkbox"/>
HN	5	2004047222	WO	A1	2004-06-03	ETHERTRONICS	<input type="checkbox"/>
HN	6	2005093901	WO	A1	2005-10-06	INTERNATIONAL BUSSINESS MACHINES CORPORATION	<input type="checkbox"/>

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
HN	1	SOLER CASTANY, Novel multifrequency and small monopole antenna techniques for wireless and mobile applications [DoctoralTesis], Universitat Politècnica de Catalunya, Fractus, Dec. 2004	<input type="checkbox"/>
	2	WU et al. A planar meander-line antenna for triple-band operation of mobile handsets, Microwave Optical Technology Letters, June 2004, Vol. 41, Num. 5	<input type="checkbox"/>
	3	CHO et al. A wideband internal antenna with dual monopole radiation elements, IEEE Antennas and Wireless Propagation Letters, 2005, Vol. 4	<input type="checkbox"/>
	4	SHIN, A broadband interior antenna of planar monopole type in handsets, IEEE Antennas and Wireless Propagation Letters, 2005, Vol. 4	<input type="checkbox"/>
HN	5	WONG, Planar antennas for wireless communications, Wiley-Interscience, 2003	<input type="checkbox"/>

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ALTERNATIVE TO PTO/SB/08A/B (09/06)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete If Known		
			Application Number	10/587,119	
			Filing Date	July 21, 2006	
			First Named Inventor	Jordi Soler Castany	
			Art Unit	N/A 2821	
			Examiner Name	Not Yet Assigned <i>[Signature]</i>	
Sheet	1	of	1	Attorney Docket Number	68349-00026USPX

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
<i>[Signature]</i>	A1*	US-6,130,651	10-10-2000	Yanagisawa et al.
	A2*	US-6,337,667	01-08-2002	Ayala et al.
	A3*	US-6,459,413-A1	10-01-2002	Tseng et al.
	A4*	US-6,864,854-A1	03-08-2005	Dai et al.
	A5*	US-20030132883-A1	07-17-2003	Wong et al.
<i>[Signature]</i>	A6*	US-20060033668-A1	02-16-2006	Ryu

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	T ⁵
		Country Code ² -Number ³ -Kind Code ⁴ (if known)	MM-DD-YYYY		
HN	B1	EP-1324423	07-02-2003	Sony International (Europe) GmbH	
HN	B2	WO-03/041216	05-15-2003	Skycross Inc	

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		Application Number	10/587,119		
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Sheet	1	of	1	Attorney Docket Number	68349-00026USPX

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HN	A1*	US-5,870,066	02-09-1999	Asakura et al.
	A2*	US-5,990,838	11-23-1999	Burns et al.
	A3*	US-6,166,694	12-26-2000	Ying
	A4*	US-6,307,511	10-23-2001	Ying et al.
	A5*	US-6,329,962	12-11-2001	Ying
	A6*	US-6,456,245	09-24-2002	Crawford
	A7*	US-2002/0175866	11-28-2002	Gram
	A8*	US-2004/0014428	01-22-2004	Franca-Neto
	A9*	US-2004/0095289	05-20-2004	Bae et al.

FOREIGN PATENT DOCUMENTS					
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
HN ↓ ✓ HN	B1	WO-99/56345	11-04-1999	Intenna Technology AB	
	B2	WO-00/77884	12-21-2000	Harada Industries (Europe) Limited	
	B3	WO-01/48861	07-05-2001	Allgon AB	
	B4	WO-01/54225	07-26-2001	Fractus, S.A.	
	B5	WO-2004/010531	01-29-2004	Fractus, S.A.	
	B6	WO-2004/042868	05-21-2004	Fractus, S.A.	
	B7	WO-01/11721	02-15-2001	Allgon AB	
	B8	JP-2001-217632	08-10-2001	Matsushita Electric Ind. Co. Ltd.	

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HN	C1	PLICANIC, Vanja, "Antenna Diversity Studies and Evaluation", Master Thesis, Department of Electroscience, Lund University, May 2004, 72 pages	
HN	C2	PUENTE, C. et al., "Multiband Properties of a Fractal Tree Antenna Generated by Electrochemical Deposition", Electronic Letters, December 5, 1996, vol. 32, no. 25, pages 2298-2299	

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AP20 Rec'd PCT/PTO 21 JUL 2006

IN LIEU OF PTO-SB/08.

Substitute for form 1449A/B/PTO				Complete If Known	
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HN	A1*	US-20030210187-A1	11-13-2003	Wong et al.
	A2*	US-4,356,492	10-26-1982	Kaloi
	A3*	US-20040217916-A1	11-04-2004	Quintero Illera et al.
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HN	B1	EP-1 367 671	12-03-2003	NGK Spark Plug Co., LTD	
HN	B2	WO-02/078123	10-03-2002	Telefonaktiebolaget LM Ericsson (publ)	
HN	B3	WO-03/023900	03-20-2003	Fractus, SA	
HN	B4	JP-2003-347828	12-05-2003	Sony Corp.	abs

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Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²

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